Sheet 1

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

<u>| of | 3</u>

| Coi                    | mplete if Known    | 1 |
|------------------------|--------------------|---|
| Application Number     | 10/706,214         |   |
| Filing Date            | November 12, 2003  |   |
| First Named Inventor   | David M. Beckhardt |   |
| Art Unit               | To be assigned     | _ |
| Examiner Name          | To be assigned     |   |
| Attorney Docket Number | 37942-1            |   |

|                       |              |   | U. S. PATENT                   | DOCUMENTS  | ·····   |
|-----------------------|--------------|---|--------------------------------|--|---|
| Examiner<br>Initials* | Cite<br>No.1 | Document Number                         | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant |
| ~~                    | ļ            | Number-Kind Code <sup>2 (d known)</sup> | <u> </u>                       |  | Figures Appear  |
| ック                    |              | <sup>US-</sup> 6,463,952-B1             | 10-15-2002                     | Stevens  |   |
| 1                     |              | <sup>US-</sup> 6,360,921-B1             | 03-26-2002                     | Boos et al.  |   |
|                       |              | <sup>US-</sup> 6,312,031-B1             | 11-06-2001                     | Norton, Jr.  |   |
|                       |              | <sup>US-</sup> 6,213,171-B1             | 04-10-2001                     | Saint-Ramon et al.                                 |   |
|                       |              | <sup>US-</sup> 6,196,319-B1             | 03-06-2001                     | Henskens et al.                                    |   |
|                       |              | <sup>US-</sup> 6,158,512                | 12-12-2000                     | Unsgaard   |   |
|                       |              | <sup>US-</sup> 5,699,838                | 12-23-1997                     | Catallo et al.                                     |   |
|                       |              | <sup>US-</sup> 5,139,089                | 08-18-1992                     | Wacker   |   |
| T                     |              | <sup>US-</sup> 5,093,085                | 03-03-1992                     | Engstrom et al.                                    |   |
|                       |              | <sup>US-</sup> 4,935,980                | 06-26-1990                     | Leginus et al.                                     |   |
|                       |              | <sup>US-</sup> 4,711,299                | 12-08-1987                     | Caldwell et al.                                    |   |
|                       |              | <sup>US-</sup> 4,584,733                | 04-29-1986                     | Tietge et al.                                      |   |
|                       |              | <sup>US-</sup> 4,493,383                | 01-15-1985                     | Williams et al.                                    |   |
|                       |              | <sup>US-</sup> 4,190,113                | 02-26-1980                     | Harrison   |   |
|                       |              | us- 2,702,125                           | 02-15-1955                     | Willinger et al.                                   |   |
|                       |              | <sup>US-</sup> 2,701,079                | 02-01-1955                     | Buchler  |   |
|                       |              | <sup>US-</sup> 2,511,493                | 06-13-1950                     | Cerruti  |   |
| 1                     |              | <sup>US-</sup> 2,399,665                | 05-07-1946                     | Deardorff  |   |
| 095                   |              | <sup>US-</sup> 2,372,628                | 03-27-1945                     | Logan et al.                                       |   |

|                    |              | FORE  | IGN PATENT DOCU     | MENTS  | -   | _ |
|--------------------|--------------|---|---------------------|--|---|---|
| Examiner Initials* | Cite<br>No.1 | Foreign Patent Document   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages |   |
|                    |              | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>8</sup> (if known) | MM-DD-YYYY          |  | Or Relevant Figures Appear                        | Т |
|                    |              |   |                     |  |   |   |
|                    |              |   |                     |  | -   | ┡ |
|                    |              |   |                     |  |   | ╄ |
|                    |              | -   |                     |  |   | r |
|                    |              |   |                     |  | -   | ٣ |

| Examiner<br>Signature | Stand | Phyl | Date<br>Considered | 3/30/05 |
|-----------------------|-------|------|--------------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

FINCE O'SS

Substitute for form 1449/PTO

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

10/706,214

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Filing Date November 12, 2003

First Named Inventor David M. Beckhardt

Art Unit To be assigned

Examiner Name To be assigned

Sheet 2 of 3 Attorney Docket Number 37942-1

|                       |              |  |                             | DOCUMENTS  |   |
|-----------------------|--------------|--|-----------------------------|--|---|
| Examiner<br>Initials* | Cite<br>No.¹ | Document Number  Number-Kind Code <sup>2 (# Known)</sup> | Publication Date MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
| UPS                   |              | <sup>US-</sup> 2,336,314                                 | 12-07-1943                  | Swan   |   |
| l_                    |              | <sup>US-</sup> 2,196,323                                 | 04-09-1940                  | Norton et al.                                      |   |
|                       |              | US- 2,091,929  | 08-31-1937                  | Kappenberg   |   |
|                       |              | <sup>US-</sup> 1,644,350                                 | 10-04-1927                  | Palmer   |   |
| T                     |              | <sup>US-</sup> 1,431,396                                 | 10-10-1922                  | Gruber   |   |
|                       |              | <sup>US-</sup> 1,073,433                                 | 09-16-1913                  | Meyer  |   |
| 1                     |              | <sup>US-</sup> 1,055,385                                 | 03-11-1913                  | Cahill   |   |
| DPS                   |              | us- 565,763  | 08-11-1896                  | Lowderbaugh  |   |
|                       |              | US-  | -                           |  |   |
|                       |              | US-  |                             |  |   |
| <del></del>           |              | US-  |                             |  |   |

|                    |              | FOREI   | GN PATENT DOCU      | MENTS  |   |    |
|--------------------|--------------|---|---------------------|--|---|----|
| Examiner Initials* | Cite<br>No.1 | Foreign Patent Document   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages |    |
|                    |              | Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known) | MM-DD-YYYY          |  | Or Relevant Figures Appear                        | T° |
|                    |              |   |                     |  |   |    |
|                    |              | ·   |                     |  |   |    |
|                    |              |   |                     |  |   |    |
|                    |              |   |                     |  |   |    |
|                    |              |   |                     |  | ١   | L. |
|                    | <u></u>      |   | <i></i>             |  |   |    |

Examiner Signature Considered 3/30/95

\*EXAMINER: Initial if reference considered, whether on to citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

JAH 12 MA S

PTO/SB/08B (08-03) Approved for use through 07/31/2006. OMB 0651-0031

|                              |                                 | U.S. Petent and                 | Trademark Office; U.S   | 3. DEPARTMENT OF      | COMMERC      |
|------------------------------|---------------------------------|---------------------------------|-------------------------|-----------------------|--------------|
| e Paperwork Reduction Act of | 1995, no persons are required t | o respond to a collection of in | formation unless it cor | ntains a valid OMB co | ntrol number |

| Substitut | Substitute for form 1449/PTO |            | Complete if Known |                        |                    |  |
|-----------|------------------------------|------------|-------------------|------------------------|--------------------|--|
|           |                              |            | ·                 | Application Number     | 10/706,214         |  |
| INFO      | DRMATION                     | DIS        | CLOSURE           | Filing Date            | November 12, 2003  |  |
| STA       | TEMENT E                     | BY A       | PPLICANT          | First Named Inventor   | David M. Beckhardt |  |
|           | (Use as many she             | ate es a   | acaeemnd          | Art Unit               | To be assigned     |  |
|           | (Ose as many sine            | 7013 03 11 | ocessary)         | Examiner Name          | To be assigned     |  |
| Sheet     | 3                            | of         | 3                 | Attorney Docket Number | 37942-1            |  |

| Examiner | Cite | NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of                          |                |
|----------|------|--|----------------|
| nitials* | No.1 | the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|          |      | JAN WAY, "Fun Coils & Silly Straws", pages 1-2, printout from  |                |
|          |      | www.janway.com/funcoils_sillystraws.htm on October 19, 2003  |                |
|          |      | ROLA-CHEM/PARADISE INDUSTRIES, "Paradise Industries - Products - SpaVac",  |                |
|          |      | page 1, prinout from www.paradiseind.com/spavac.html on December 30, 2003  |                |
|          |      |  |                |
|          |      |  |                |
|          |      | •  |                |
|          |      |  |                |
|          |      |  |                |
|          |      |  |                |
|          |      |  | <u> </u>       |
|          |      |  |                |
|          |      |  |                |
|          |      |  |                |
|          |      |  |                |
|          |      |  |                |
|          |      |  |                |
|          |      |  |                |

Examiner Signature Date Considered 3/39/95

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

\* - NO COPY